

NerdioCon

2025

— PALM SPRINGS





Lessons learned from deploying hundred of Azure Virtual Desktops environments



Agenda

Architecture: Landing zones

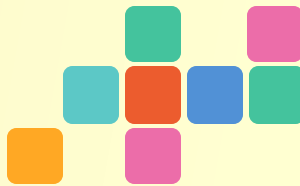
Identity choices

FSLogix profiles

VM sizing

Cost

Applications



Neil McLoughlin

Principal Technical Account Manager EMEA
Microsoft MVP for Windows and Devices

<https://www.youtube.com/@virtualmanc>



Wayne Bellows

Technical Account Manager EMEA

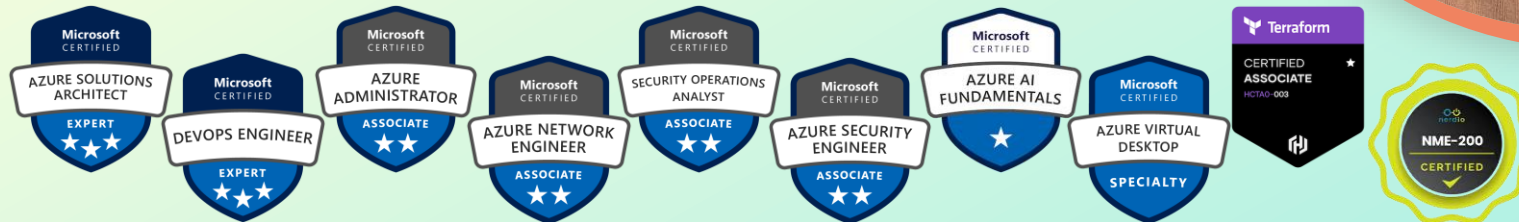
8x Microsoft Certified



waynebellows



@waynebellows.bsky.social



The importance of getting things right

Getting the core components of your Azure Virtual Desktop deployment right is crucial for success.

A well-designed AVD deployment can result in:

- Happy end-users.
- Satisfied stakeholders.
- Content engineers.
- A project delivered on time and within budget.

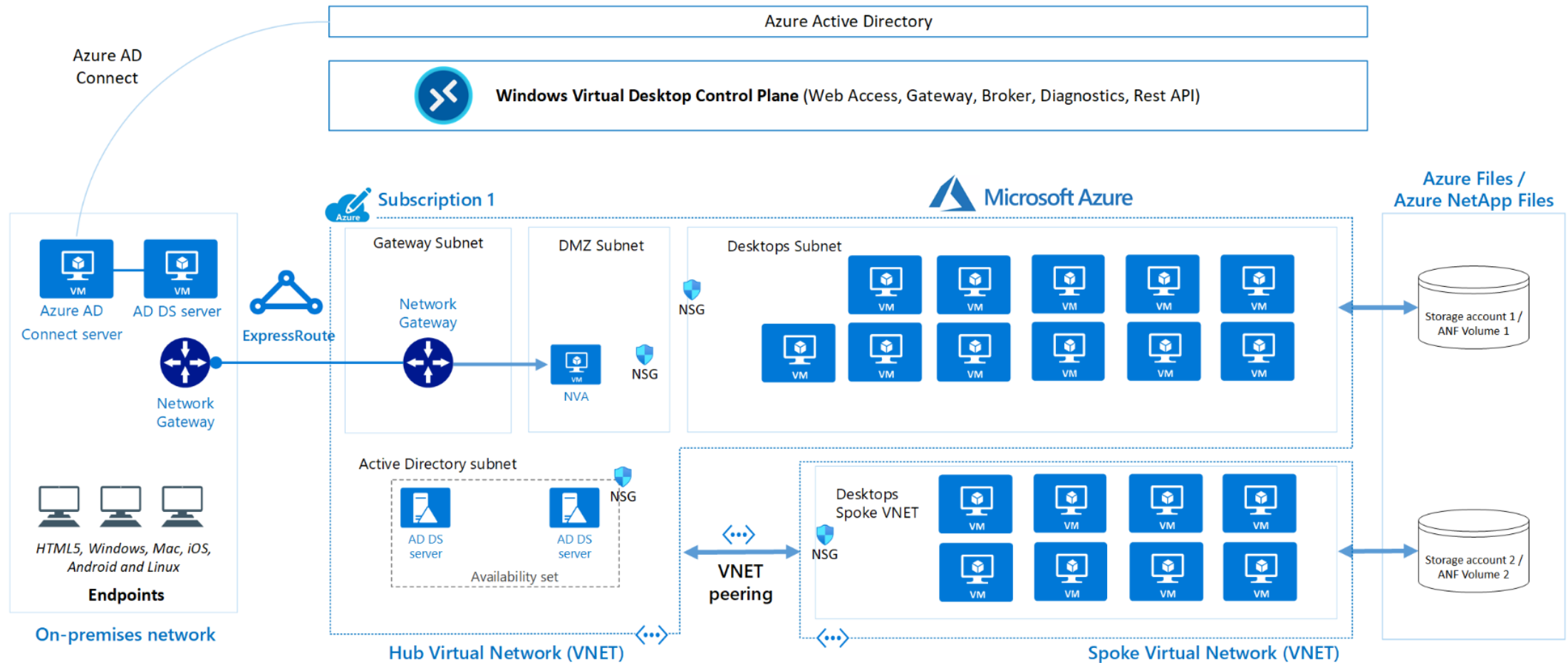
A poorly designed AVD deployment can lead to:

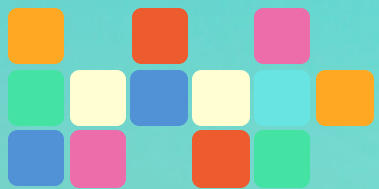
- Unhappy end-users.
- Frustrated stakeholders.
- Stressed out engineers.
- A project that is over budget and delayed.

Over the next 45 minutes, I'll take you through some key insights that we've gained from being involved in or working with over 3,000 AVD deployments and how Nerdio can help you overcome some of these challenges.

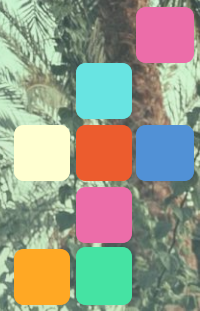


Design principles





Identity choices



Entra ID? Entra ID Domain Services?

Every deployment aspires to be 100% Entra ID, as it significantly simplifies management. However, we need to consider the following:

- FSLogix: Accounts still need to be replicated from Entra ID Domain Services, though a workaround is available: <https://nmehelp.getnerdio.com/hc/en-us/articles/26124360018445-How-to-Use-Azure-Files-with-Entra-ID-Joined-Method-for-AVD>
- GPOs or Intune: Are you ready to transition from GPOs to Intune-managed settings? (Hint: It's a challenging process).
- Application compatibility: Do your applications rely on Kerberos authentication or other identity providers?
- Single sign-on: Is a seamless SSO experience crucial for you? If so, Entra ID Join might be the best solution.

CONFIGURE DIRECTORY PROFILE ⓘ

Connect to an existing Active Directory, Entra Domain Services or native Entra ID.

Profile name:

Profile friendly name (optional) ⓘ

Directory:

Entra ID ▼ ⓘ

☒ Enroll with Intune ⓘ

Cancel

OK

CONFIGURE DIRECTORY PROFILE ⓘ

Connect to an existing Active Directory, Entra Domain Services or native Entra ID.

Profile name:

Profile friendly name (optional) ⓘ

Directory:

Active Directory ▼ ⓘ

AD Domain:

AD Username:

user@domain.local with domain join perm ⓘ

AD Password:

Enter password ⓘ

Specify Distinguished Name (DN) path to an Organizational Unit (OU) where session hosts will be created. Leave blank to use the Computers container.

Organization Unit:

OU=hosts,DC=domain,DC=local ⓘ

Cancel

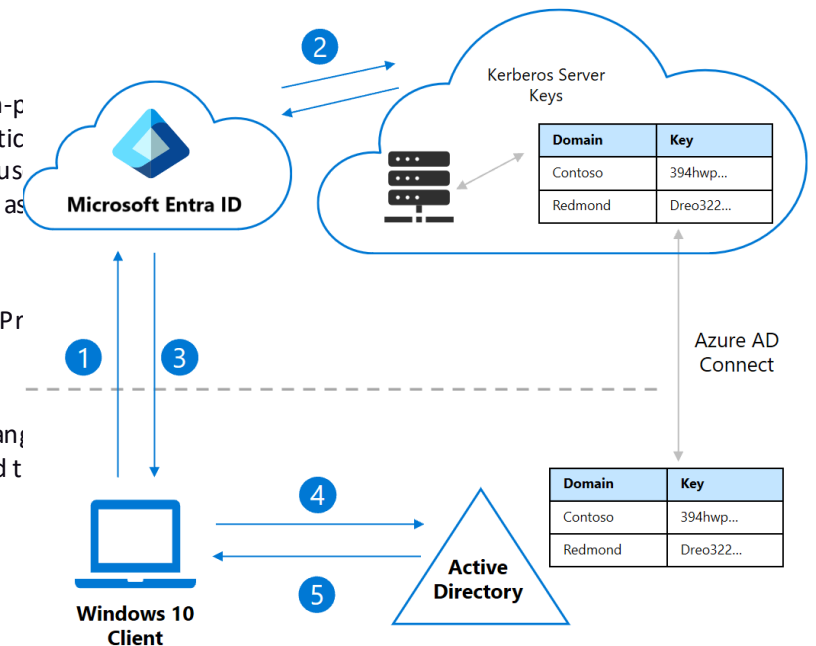
OK

Why not have the best of both worlds?

If you configure Entra ID connect, you can sync your Active Directory to Entra ID. You can then register the session hosts in Intune and slowly start to migrate across to be cloud-managed. This is called Hybrid Joined. The next stage is to configure Entra ID Kerberos Authentication. This means that Entra ID can issue Kerberos tickets to access on-premises resources, such as file shares, applications, etc. and use passwordless authentication methods, including Windows Hello for Business or FIDO2 Security keys.

1. The users sign in to Windows with Windows Hello for Business authenticating with Azure AD.
2. Entra ID checks for a Kerberos server key matching user's on-premises AD domain and generates a partial Kerberos ticket granting ticket (TGT) for on-premises domain. The partial TGT contains the user security identifier (SID) only and no authorization data, such as groups.
3. The partial TGT is returned to the client along with Entra ID Protected Refresh Token (PRT).
4. Client contacts on-premises AD domain controller and exchanges partial TGT for a full TGT. This is the same protocol flow used for Read Only Domain Controller scenarios.
5. Client has the Entra ID PRT and a full Active Directory TGT.

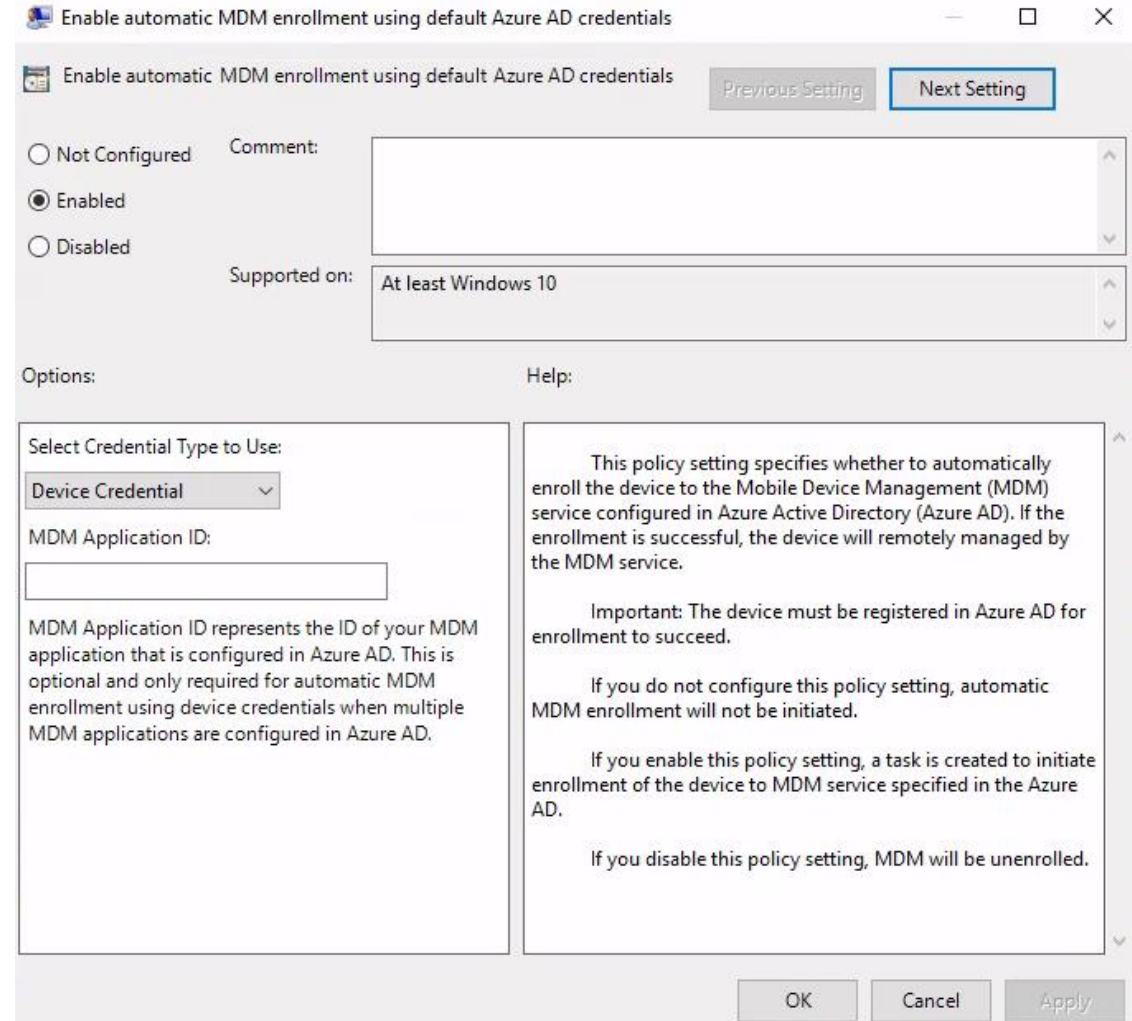
Ref - <https://emsroute.com/2024/07/02/cloud-kerberos-trust-whf>



AD or Entra ID? GPO or Intune? Or both?

Intune emerges as the future of Windows management as we move towards Modern Work environments. With GPOs, Active Directory, and ConfigMgr being phased out, it's time to adopt Windows in the Cloud and embrace Modern Work practices.

For those transitioning from on-premises to modern setups, configuring Hybrid Join is highly recommended. Hybrid Join allows you to manage devices using Group Policy Objects (GPOs) while starting to explore Intune deployments and policies. This gradual transition ensures a seamless shift towards full Intune management, making your journey to Modern Work smooth and efficient.



The screenshot shows the Group Policy Editor window for the policy 'Enable automatic MDM enrollment using default Azure AD credentials'. The policy is currently set to 'Enabled'. The 'Supported on' dropdown is set to 'At least Windows 10'. Under 'Options', 'Device Credential' is selected for 'Select Credential Type to Use', and the 'MDM Application ID' field is empty. The 'Help' pane on the right provides detailed information about the policy, including its purpose and the consequences of enabling or disabling it.

Enable automatic MDM enrollment using default Azure AD credentials

Enable automatic MDM enrollment using default Azure AD credentials [Previous Setting](#) [Next Setting](#)

☐ Not Configured ☒ Enabled ☐ Disabled

Comment:

Supported on: At least Windows 10

Options:

Select Credential Type to Use:
Device Credential

MDM Application ID:

MDM Application ID represents the ID of your MDM application that is configured in Azure AD. This is optional and only required for automatic MDM enrollment using device credentials when multiple MDM applications are configured in Azure AD.

Help:

This policy setting specifies whether to automatically enroll the device to the Mobile Device Management (MDM) service configured in Azure Active Directory (Azure AD). If the enrollment is successful, the device will remotely managed by the MDM service.

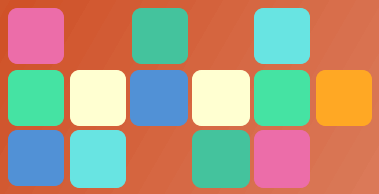
Important: The device must be registered in Azure AD for enrollment to succeed.

If you do not configure this policy setting, automatic MDM enrollment will not be initiated.

If you enable this policy setting, a task is created to initiate enrollment of the device to MDM service specified in the Azure AD.

If you disable this policy setting, MDM will be unenrolled.

OK Cancel Apply



FSLogix profiles



Top tips for FSLogix

- 1** Optimize storage performance: Plan for IOPS, not capacity.
- 2** Configure the AV exclusions: Prevent performance bottlenecks.
- 3** Monitor and analyze the performance: Keep an eye on your storage latency.
- 4** Be careful with FSLogix cloud cache...
- 5** Delete unused profiles to keep your storage costs low.
- 6** Remove unwanted folders from the profile by implementing FSLogix redirections.
- 7** Only manage the FSLogix config settings in one place. Not GPO AND Nerdio—pick one or the other.

FSLogix identity

Whether your session hosts are joined to Entra ID or Active Directory makes a huge difference as to how you configure FSLogix storage accounts.

- Always use the Premium Performance tier. It gives you burst IOPS.
- If redundancy is essential, use ZRS instead of LRS.
- Always tick “Assign NTFS file-level permissions”.
- Size your storage for performance, not capacity.

CREATE AZURE FILES SHARE

STORAGE ACCOUNT: Type name to select existing or create new... ⓘ

STORAGE ACCOUNT DESCRIPTION: ⓘ

PERFORMANCE ⓘ: Premium ⓘ

REPLICATION ⓘ: LRS ⓘ

FILE SHARE NAME: ⓘ

FILE SHARE DESCRIPTION: ⓘ

PROVISIONED CAPACITY (GiB): 100 ⓘ

STORAGE ACCOUNT CONFIGURATION

☐ Share-level permission: SMB Share Contributor ⓘ

☒ Join AD or Entra ID: Nerdio Default Profile (Active Directory) x ⓘ

☐ Create a computer-joined file share ⓘ

☒ Enable [SMB Multichannel](#) ⓘ

FILE SHARE CONFIGURATION

Permissions (SMB Share Contributors)

Type user or group name ⓘ

Add users/groups from host pools

Select... ⓘ

☒ Assign NTFS file-level permissions ⓘ

☐ App Attach ⓘ

☒ FSLogix ⓘ

[Show advanced settings](#) ▾

> Apply tags ⓘ

Cancel OK

FSLogix: Delete your profiles!

Whether you are using Standard or Premium Azure Files Storage, you are **PAYING** for what you are using. With Azure Files Standard, you pay for what you consume. For Azure Files Premium, you pay for what you provision.

Very rarely do I see customers delete old profiles. It can easily save you 50% of your storage costs, which could be thousands of dollars.

RUN AZURE RUNBOOK SCRIPTED ACTION

▶ Run now

Are you sure you want to run this Scripted action Delete Old FSLogix Profiles?

Azure subscription

PARAMETERS ⓘ

NAME	VALUE
StorageAccountName	Type value or select existing secure variable...
Name of the Azure Storage Account.	
ShareName	Type value or select existing secure variable...
Name of the Azure Files share.	
DaysOld	Type value or select existing secure variable...
Age of files to check for deletion.	
StorageKeySecureVar	FslStorageKey ×
Secure variable containing the storage account key. Make sure this secure variable is passed to this script.	
WhatIf	false ×

If set to true, the script will only output what it would do without actually doing it.

Home > Automation Accounts > nmw-app-runbooks-dc15 | Jobs >

nmw-scripted-action 2/17/2025, 4:49 PM

Job

▶ Resume

□ Stop

|| Suspend

 Feedback

 Refresh

 Export output

WHATIF: Profile_kshirude.VHDX is older than 60 days, WOULD delete...

WHATIF: Profile_kvdbran1.VHDX is older than 60 days, WOULD delete...

WHATIF: Profile_mdielema.VHDX is older than 60 days, WOULD delete...

WHATIF: Profile_mmozafar.VHDX is older than 60 days, WOULD delete...

WHATIF: Profile_myadav.VHDX is older than 60 days, WOULD delete...

WHATIF: Profile_pkumar3.VHDX is older than 60 days, WOULD delete...

WHATIF: Profile_pvanheld.VHDX is older than 60 days, WOULD delete...

WHATIF: Profile_rabela.VHDX is older than 60 days, WOULD delete...

WHATIF: Profile_rherin.VHDX is older than 60 days, WOULD delete...

WHATIF: Profile_sboddu.VHDX is older than 60 days, WOULD delete...

WHATIF: Profile_scahuysent.VHDX is older than 60 days, WOULD delete...

WHATIF: Profile_scajancula.VHDX is older than 60 days, WOULD delete...

WHATIF: Profile_scaoostvee.VHDX is older than 60 days, WOULD delete...

WHATIF: Profile_scavandepo.VHDX is older than 60 days, WOULD delete...

WHATIF: Profile_scbvanluyc.VHDX is older than 60 days, WOULD delete...

WHATIF: Profile_scbvanwall.VHDX is older than 60 days, WOULD delete...

WHATIF: Profile_sccarslan.VHDX is older than 60 days, WOULD delete...

WHATIF: Profile_sccaskdesaege.VHDX is older than 60 days, WOULD delete...

WHATIF: Profile_sccdeldael.VHDX is older than 60 days, WOULD delete...

WHATIF: Profile_scckestell.VHDX is older than 60 days, WOULD delete...

WHATIF: Profile_sccschelle.VHDX is older than 60 days, WOULD delete...

FSLogix identity: Entra ID only?

It is possible to use FSLogix with Entra ID-only workaround, but I would not recommend deploying it in a large production environment.

```
cmdkey.exe /add:[[STORAGE ACCOUNT FQDN]] /user:localhost\[[[STORAGE ACCOUNT NAME]]] /pass:[[STORAGE ACCOUNT KEY]]  
  
# Check if the key exists  
If (-not(Test-Path "HKLM:\Software\Policies\Microsoft\AzureADAccount")){  
  #Create the key if it doesn't exist  
  New-Item -Path "HKLM:\Software\Policies\Microsoft\AzureADAccount" -Force  
}  
  
#Add or modify the property  
New-ItemProperty -Path "HKLM:\Software\Policies\Microsoft\AzureADAccount" -Name "LoadCredKeyFromProfile" -Value 1 -Type  
DWord -Force
```

TIME RANGE

- ☐ Today ☐ Last 30 days
☐ This week ☐ This Month
☒ Last week ☐ Last Month
☐ Custom 04/21/2024 - 04/27/2024

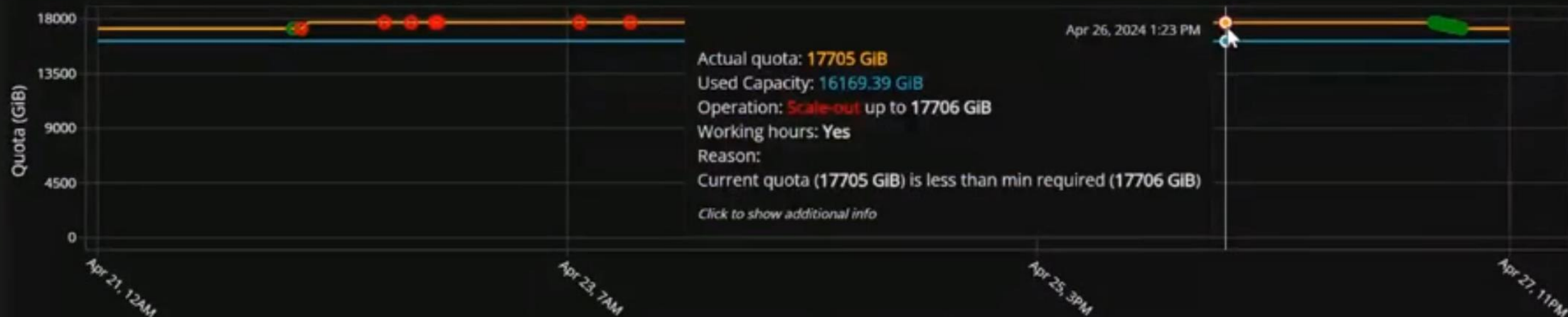
SHOW

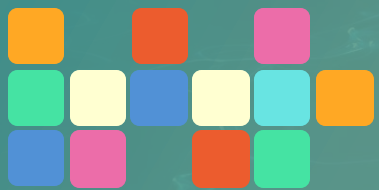
- ☒ Quota graph ☒ Latency graph
☒ Transactions graph ☒ Savings graph

SAVINGS

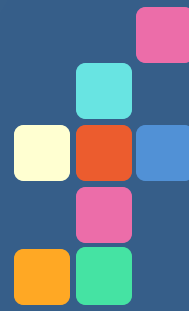
€1.55 (0.17%)

Apr 21, 2024 12:00 AM - Apr 28, 2024 12:00 AM





VM sizing



Optimizing VM sizing

Achieve optimal performance and usability:

- Aim for a 2:1 user to vCPU ratio whenever possible. Many people use a 1:1 ratio, but the 1:1 ratio ensures the best performance.
- Always use the latest generation of VMs. For instance, v5 series VMs can provide a 25% performance boost compared to equivalent v3 VMs, often at the same or lower cost.

Monitor key metrics:

- Actively monitor memory, CPU usage, and IOPS to ensure your hosts are performing optimally.
- Choose Premium SSDs if possible, as they offer burst capacity, which can significantly help during user logon storms.

Configure session limits:

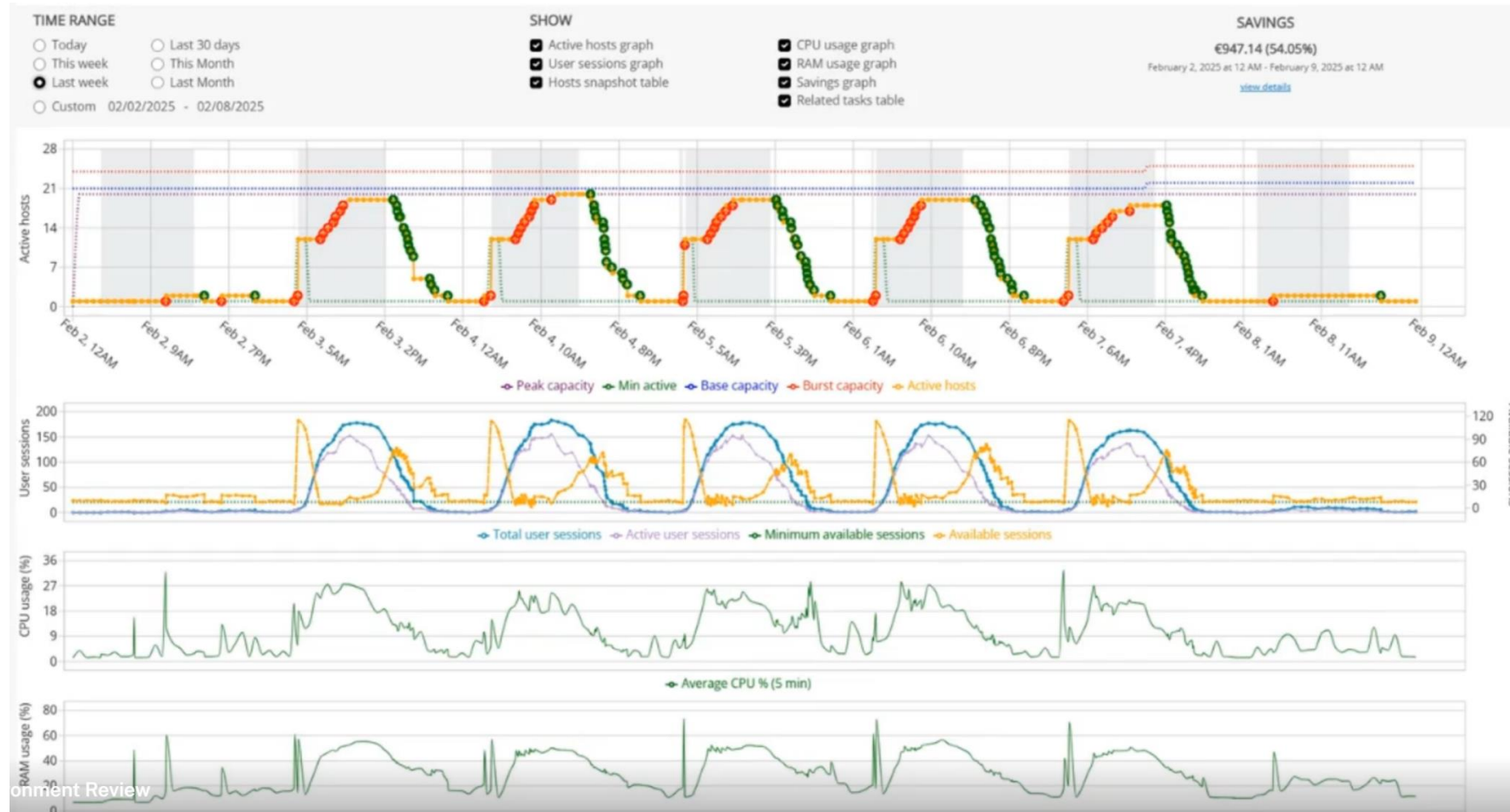
- Set maximum session limits on your hosts to maintain performance levels, especially during peak usage times.



Host Series	Use-case	Variations
D-Series	Generic Workloads, Optimum CPU-to-memory configs. Meet most requirements	D4AS_v5 (4 vcPU 16GB RAM) D8AS_v5 (8 Vcpu 32GB RAM) D16AS_V5 (16 Vcpu 64gb RAM)
E-Series	High memory-to-core ratios	E4AS_V5 (4vCPU 32GB RAM) E8AS_V5 (8vCPU 64GB RAM)
N-Series	GPU Requirements (Graphical workloads) NVAS = AMD Radeon/AMD CPU NVS = NVIDIA Tesla M60 A10 = new NVIDIA A10 GPU/AMD CPU)	NV12S_V3 (12 Vcpu 112GB RAM, 1 GPU) NV24S_v3 (12 Vcpu, 224GB RAM, 2 GPU) NV8AS_V4 (8 Vcpu, 28GB RAM, 1/4 GPU) NV16AS_V4 (16 Vcpu, 56GB RAM, ½ GPU) NV12ADS_A10_v5 (12 Vcpu, 110GB RAM, 1/3 GPU Partition) NV18AADS_A10_V5 (18 Vcpu, 220GB RAM, ½ GPU Partition)

QUIZ

What can you determine from this chart?



Comment Review

Sizing: User density

Azure is a consumption-based model, so you must ensure you are filling up your session hosts.

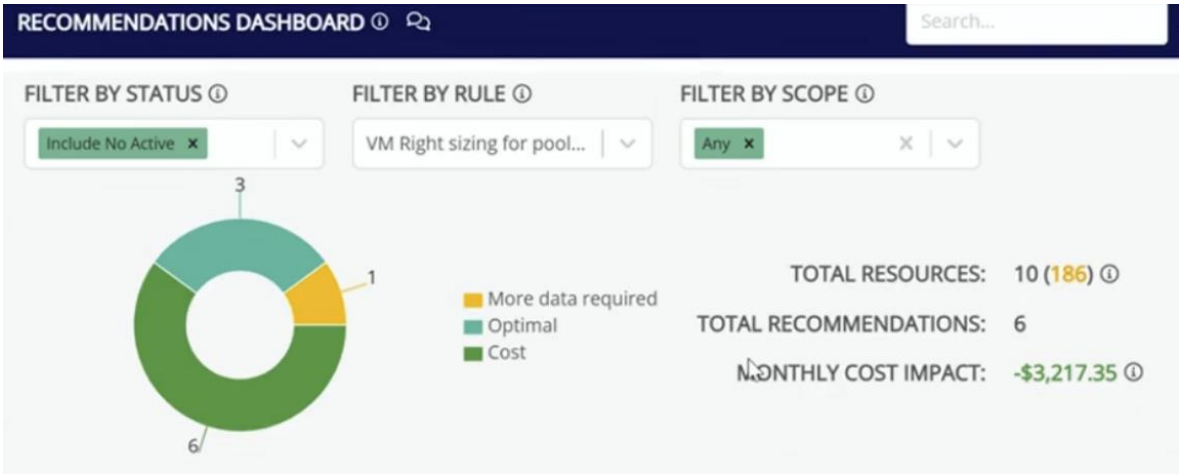
What can we determine from the chart to the right?

Do you think we could fit more sessions on this host?

CPU % (5 MIN)	RAM % (5 MIN)	USER SESSIONS	ACTIVE USER SESSIONS
12.3%	56.9%	9	6
12.6%	54.4%	9	4
17.2%	42.1%	8	5
16.8%	35.6%	8	6
11.7%	48.4%	7	6
7.4%	45.6%	7	5
47.7%	82.4%	8	4
40.9%	66.4%	10	4
18.1%	64.2%	9	7
5.9%	29.0%	3	1
9.7%	54.4%	9	4
10.8%	58.8%	8	3

Sizing: Nerdio Advisor Recommendations

The Nerdio Advisor Recommendations engine looks at your memory and CPU usage and then makes VM SKU recommendations to ensure you are on the most cost-effective SKU size.



Sizing: Disconnection timeouts

This was taken at 7:30 pm when all users had gone home.

The customer had a three-hour disconnection timeout policy. Do you see what the problem is?

4

ROLLING DRAIN MODE ⓘ

Window name ⓘ

Window 1

Start time ⓘ

3 p.m.

▼

00

▼

% hosts in drain mode ⓘ

50

Load balancing ⓘ

Depth First

▼

Scale in aggressiveness ⓘ

Medium

▼

+

CPU % (5 MIN)	RAM % (5 MIN)	USER SESSIONS	ACTIVE USER SESSIONS
-	-	0	0
12.4%	26.0%	3	2
-	-	0	0
9.3%	32.9%	4	2
-	-	0	0
-	-	0	0
2.5%	24.1%	2	1
5.3%	22.4%	1	1
-	-	0	0
10.9%	52.3%	3	2
2.5%	25.4%	2	1
-	-	0	0
-	-	0	0
-	-	0	0
-	-	0	0

Sizing: Breadth or depth?

Depth mode sounds like a great idea, but if too many users log onto the session hosts at the same time, it can cause poor performance. 10 people logging onto a session host within a one-minute period is not going to give the user a good experience.

The session limit per host is the maximum number of sessions per host. I commonly see customers pre-staging too many hosts and never getting to the maximum session limit, so ensure you are pre-staging the correct number of hosts to get that number higher as needed.

4 ROLLING DRAIN MODE ⓘ

Window name ⓘ	Mid-morning	
Start time ⓘ	11 a.m. ▼	00 ▼
% hosts in drain mode ⓘ	25	
Load balancing ⓘ	Depth First ▼	
Scale in aggressiveness ⓘ	Medium ▼	

Window name ⓘ	Afternoon	
Start time ⓘ	4 p.m. ▼	00 ▼
% hosts in drain mode ⓘ	50	
Load balancing ⓘ	Depth First ▼	
Scale in aggressiveness ⓘ	Default (High) ▼	

– +

1 HOST POOL PROPERTIES ⓘ

Session limit per host:	10 ⓘ
Load balancing:	Breadth First ▼ ⓘ
☐ Start VM on connect ⓘ	

Cost: Log Analytics

Log Analytics can get very expensive very quickly if not optimized.

Look at the counters that you will actively need and use.

Remove anything you don't use, or increase the frequency of data collection.

In the example to the right, we can see that within a few clicks, we saved the customer \$40,000 per year.

Memory(*)\Page Faults/sec	60	0.05 %
RemoteFX Network(*)\Current TCP RTT	180	0.05 %
RemoteFX Network(*)\Current TCP Bandwidth	180	0.05 %
RemoteFX Network(*)\Current UDP Bandwidth	180	0.05 %
RemoteFX Network(*)\Current UDP RTT	180	0.05 %
RemoteFX Graphics(*)\Average Encoding Time	180	0.05 %
RemoteFX Graphics(*)\Frames Skipped/Second - Insufficient Network Re...	180	0.05 %
RemoteFX Graphics(*)\Frames Skipped/Second - Insufficient Server Reso...	180	0.05 %
RemoteFX Graphics(*)\Frames Skipped/Second - Insufficient Client Reso...	180	0.05 %
Memory(*)\Pages/sec	120	0.03 %
Terminal Services(*)\Total Sessions	60	0 %
Terminal Services(*)\Active Sessions	60	0 %
Terminal Services(*)\Inactive Sessions	60	0 %

Above changes are estimated to change Log Analytics costs:

Monthly data ingestion: **decrease of 1186.31 GB** ↓

Monthly cost: **decrease of €3,404.10** ↓

Windows event logs

Event name	Error	Warning	Information
Application	☒	☒	☐
Microsoft-FSLogix-Apps/Admin	☒	☒	☒
Microsoft-FSLogix-Apps/Operational	☒	☒	☒
Microsoft-Windows-TerminalServices-LocalSessionManager/Oper...	☒	☒	☒
Microsoft-Windows-TerminalServices-RemoteConnectionManage...	☒	☒	☒
System	☒	☒	☐

Discard changes

CancelSave & close

Auto-scaling

Your choice of auto-scaling can be a critical factor in the user experience and cost of the environment, so getting it right is crucial.

Make sure your base host pool capacity meets your minimum workload. Bursting takes time.

If you don't want hosts to scale down during the day, set a working hours schedule.

Discuss aggressiveness with the business.

2

HOST POOL SIZING ⓘ

Active host defined as:

AVD agent Available ⓘ

Base host pool capacity:

5

host(s) in the pool ⓘ

Min active host capacity:

1

host(s) in the pool ⓘ

Burst beyond base capacity:

up to

2

extra host(s) in the pool ⓘ

3

SCALING LOGIC ⓘ

☐ Use multiple auto-scale triggers (advanced) ⓘ

Select autoscale trigger

Available sessions ⓘ

Maximum host pool sessions:

70

Maintain up to X available sessions:

During work ho... ⓘ

5 ⓘ

Outside work hours:

1 ⓘ

Working hours:

8 a.m. ⓘ

:

00 ⓘ

to:

4 p.m. ⓘ

:

00 ⓘ

Scale in restrictions

Stop or remove (scale in) hosts only from:

4 p.m. ⓘ

:

00 ⓘ

to:

6 a.m. ⓘ

:

00 ⓘ

Scale in aggressiveness:

Medium ⓘ

Deactivate (drain mode) hosts:

No ⓘ

Auto-scaling

Use pre-staging to ensure that there is enough capacity for the morning workload.

Auto-scaling can take a bit of time between refreshes to get hosts available.

If you have weekend workloads, then you can leverage multiple schedules.

5 PRE-STAGE HOSTS ⓘ

☒ Use multiple schedules ⓘ

Work days:

Monday - Friday ×



Start of work hours:

8 a.m.



:

00



Hosts to be active by start of work hours:

25



Scale in delay:

2 hours



Work days:

Saturday ×



Start of work hours:

10 a.m.



:

00



Hosts to be active by start of work hours:

2



Scale in delay:

1 hour



Auto-scaling

Leverage Nerdio's new AI Auto-Scaling Insights feature to optimize your auto-scaling configuration.



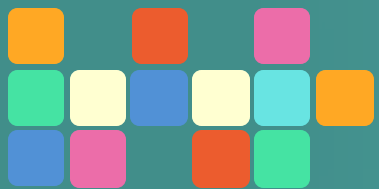


Image management & applications

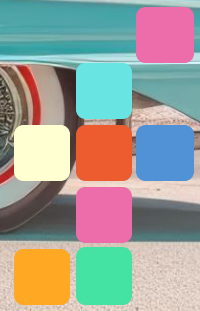
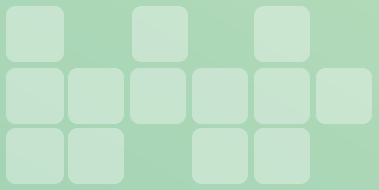


Image management

- Automate, automate, automate! The more you can automate application deployment and image configuration, the less manual work you'll need to do in the future.
- Nerdio makes it incredibly easy to automate the entire process of updating an image and deploying it into the host pool. However, the moment manual intervention is required, the efficiency of this process is compromised.
- Ideally, move all application management to the session hosts to eliminate the need for image management.
- If this isn't feasible, we can focus on automating image updates, which I'll cover in the next slide.



What have we done here?

- We've automated the deployment of all applications using Chocolatey and WinGet.
- We've configured Nerdio to delete the existing image and create a new one from the Azure Marketplace every month, five days after Patch Tuesday.
- This new image can then be used to automatically update your session hosts each month.

Congratulations! You've now fully automated your image and session host management!

SET AH-IMGTEST AS AN IMAGE ⓘ

Do you want to set ah-imgtest as an image?
Note: Please ensure that Azure agent is installed and AVD agent is not installed.

Run the following scripted actions before set as image: ⓘ On

1. Install Google Chrome via Chocolatey (Combined) (Nerdio, Apps install, Chocolatey) x

2. Install Microsoft Teams (new) (Individual with restart) (Nerdio, Apps install) x

3. Install Microsoft 365 Office Apps (Individual with restart) (Nerdio, Apps install) x

☐ Pass AD credentials ⓘ

Applications Management ⓘ On

Applications ⓘ

1. Install Adobe Acrobat Pro [latest] (Winget Com... x

2. Install PuTTY [latest] (Winget Community) x

3. Install Slack [latest] (NEMEDemo-Private-Winget) x

4. Add new application... x

☒ Install app
☐ Uninstall app

☐ Install group
☐ Uninstall group

Slack [latest] | v

☐ Reboot after installation ⓘ
☒ Show favorites only ⓘ

With the schedule set to OFF action will be performed immediately. With schedule turned ON, the task will be performed according to the specified schedule.

SCHEDULE ⓘ

On

NAME: | ⓘ

DESCRIPTION: | ⓘ

START DATE: 02/24/2025 ⓘ

TIME ZONE: (UTC+00:00) Dublin, Edinburgh, Lisbon, London | ⓘ

START TIME: 12 a.m. | : 00 | ⓘ

REPEAT: Monthly after "Patch Tuesday" | ⓘ

DAYS AFTER: 5 ⓘ

Refresh image from Azure Marketplace ⓘ On

CAUTION: Enabling this option will remove the existing Desktop Image VM and re-create it from the latest version of selected Azure Marketplace image.

MARKETPLACE IMAGE: CIS Hardened Image Level 1 on Microsoft Windows 11 Enterpris... | ⓘ

The task will be performed according to the specified schedule.

SCHEDULE ⓘ

Name: Re-image session hosts ⓘ

Description: | ⓘ

Start date: 02/24/2025 ⓘ

Time zone: (UTC+00:00) Dublin, Edinburgh, Lisbon, L... | ⓘ

Start time: 1 a.m. | : 00 | ⓘ

Repeat: Monthly after "Patch Tuesday" | ⓘ

Days after: 10 ⓘ

Cancel Run now Save Save & close

Personal or Multi-Session?

Figures based on 160 hours

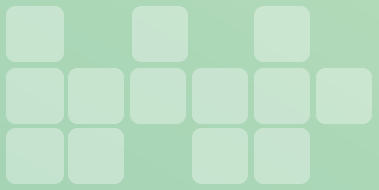
	Number of session hosts	
	X10 Personal Desktops	X1 Multi-Session
VM Type	D2S V5 (2 Vcpu, 8GB RAM)	D8S V5 (8 Vcpu, 32GB RAM)
Compute Cost	£14.28	£57.13
Storage Cost	£8.49 (Standard SSD)	£19.17 (Premium SSD)
TOTAL COST	£227.70	£76.30
Cost Per User:	£22.77	£7.63

Windows 365 Cost

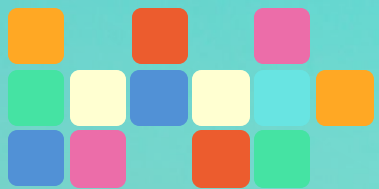
2 vCPU	8 GB RAM	128 GB Storage	£35.60 user/month Buy now > Contact sales for a free trial > See trial terms²
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Streamlining application deployment

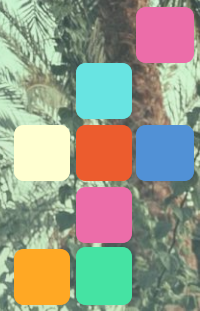
- Automating application deployment for your session hosts is crucial for efficiency. Nerdio allows you to import applications from SCCM and Intune, saving both time and effort.
- Deploying applications from Intune to multi-session hosts can be a challenge. Typically, single-session hosts utilize Intune, while multi-session hosts rely on WinGet or image-based management.
- Leverage Unified Application Management policies to automate the deployment process. Nerdio will power on the VMs outside working hours, ensuring minimal disruption.
- Refresh your hosts monthly to ensure the latest application versions are being deployed.



DEPLOYMENT STATUS BETA				
SEARCH	FILTER BY POLICY TYPE	FILTER BY SCOPE	DEVICE STATUS	ACTION STATUS
Search...	Any	Any	Any	Any
DEVICE	POLICY	APPLICATIONS	STATUS	LAST ACTION
CPC-tsker-RXHTZ User: ts Kerritt@getnerdio.com	TS-Intune-Policy (Intune)	✓ Audacity [3.7.1]	✓ COMPLIANT Last update: 8 minutes ago	Feb 23, 2025 04:57 AM
CPC-tsker-RXHTZ User: ts Kerritt@getnerdio.com	Policy-2023-12-07T14:54:16.273Z (Intune)	✓ 7-Zip Alpha (msi) [24.01.00.0]	✓ COMPLIANT Last update: 8 minutes ago	Feb 23, 2025 04:57 AM
CPC-vvlad-326E1 User: vladimirskiy@getnerdio.com	Intune Vadim Test (Intune)	✓ Zoom ✓ Audacity ✓ LibreOffice [25.2.0.3]	✓ COMPLIANT Last update: 8 minutes ago	Feb 23, 2025 04:46 AM
TS-DED-AVD-TST2.nerdio.int Hostpool: TS-General-Dedicated User: tobytest@getnerdio.com	ts-delete (AVD)	✓ Google Chrome [133.0.6943.127]	✓ COMPLIANT Last update: 8 minutes ago	Feb 19, 2025 05:05 AM
ahtest2-8de4.nerdio.int Hostpool: AH-Test2	Feb 19, 2025 04:38 AM (AVD)	✓ Microsoft Visual Studio Code [1.97.2] ✓ PuTTY [0.83.0.0] ✓ Firefox Test [1.0]	✓ SUCCESS Last update: 4 days ago	Feb 19, 2025 04:38 AM
ahtest2-8de4.nerdio.int Hostpool: AH-Test2	Feb 19, 2025 04:31 AM (AVD)	✓ Microsoft Visual Studio Code [1.97.2] ✓ PuTTY [0.83.0.0]	✓ SUCCESS Last update: 4 days ago	Feb 19, 2025 04:31 AM
ahtest2-8de4.nerdio.int Hostpool: AH-Test2	Feb 19, 2025 03:49 AM (AVD)	✓ 7-Zip (x64 edition) [23.01]	✓ SUCCESS Last update: 4 days ago	Feb 19, 2025 03:50 AM
nmcmulti-d338.nerdio.int Hostpool: NM-Multisession	NMCPolicyTest (AVD)	✓ Zoom2 [5.10.4420]	✓ COMPLIANT Last update: 8 minutes ago	Feb 16, 2025 01:36 AM
nmcmulti-387f.nerdio.int Hostpool: NM-Multisession	NMCPolicyTest (AVD)	✓ Zoom2 [5.10.4420]	✓ COMPLIANT Last update: 8 minutes ago	Feb 16, 2025 01:21 AM
jj-test-e813.nerdio.int Hostpool: JJ-FSLOGIX-test	Feb 14, 2025 03:09 PM (AVD)	✗ Adobe Acrobat Pro [24.005.20399]	✗ ERROR Last update: 9 days ago	Feb 14, 2025 03:09 PM
« < 1 of 4 > » Page size 10 39 items				



Summary and key takeaways



Summary

1

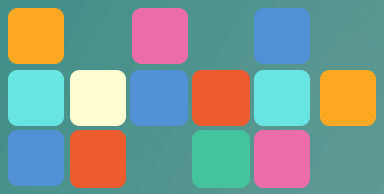
Taking time to plan in advance can save you hours, weeks, or months of pain.

2

Test and push the platform to the max with your users. If you do experience performance problems, work to understand why.

3

Continually monitor and fine-tune your environment. Don't just set it and forget it.



Any questions?

